

FIG. 2

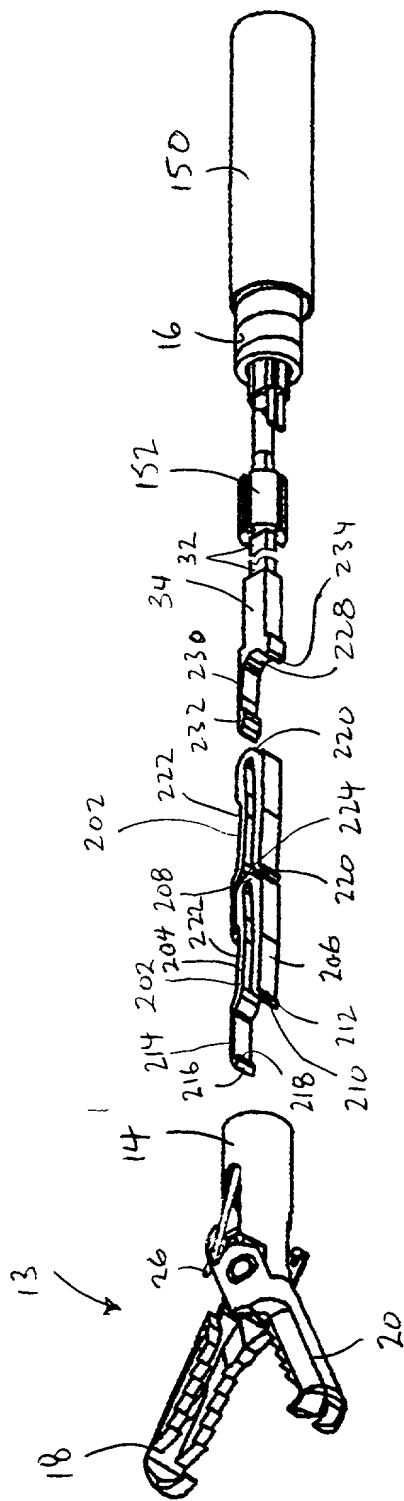


FIG. 2A

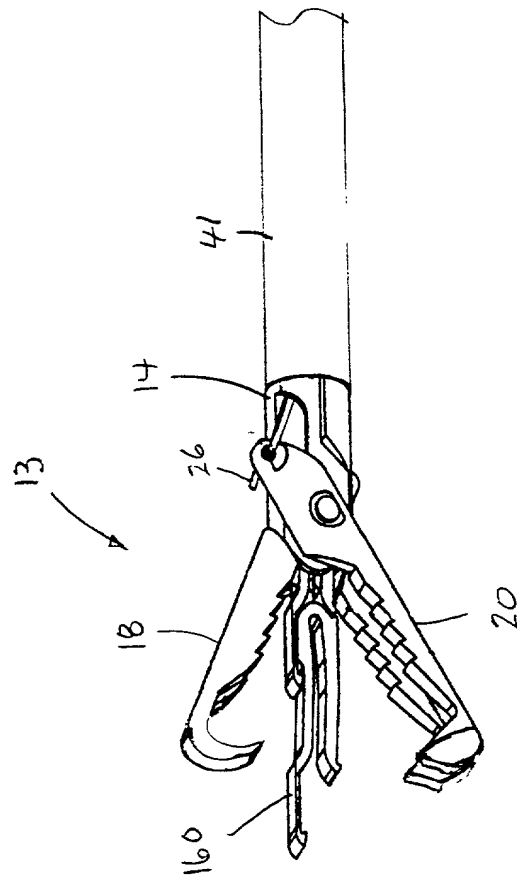


FIG. 3

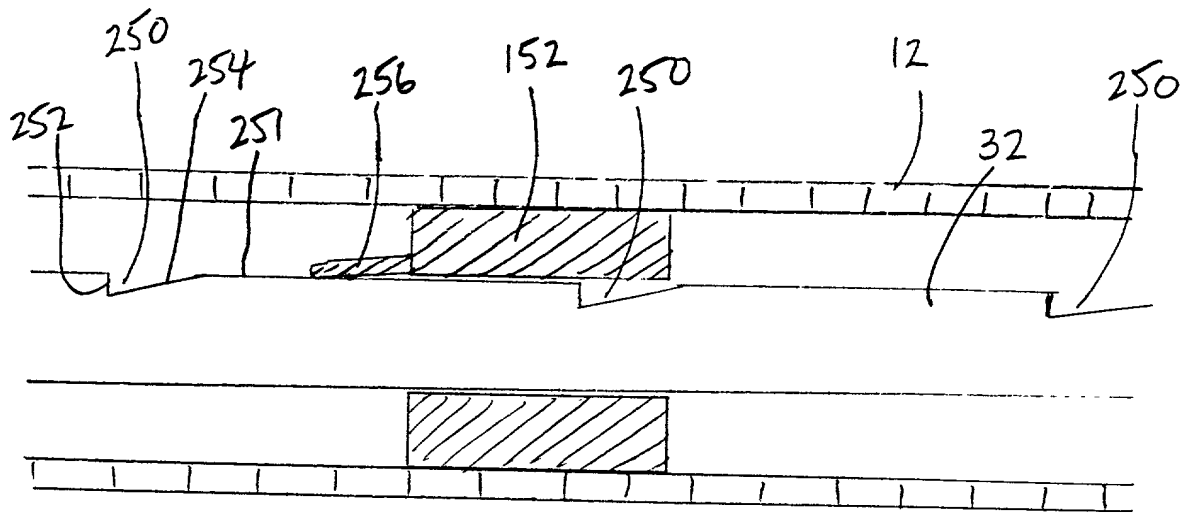


FIG. 2B

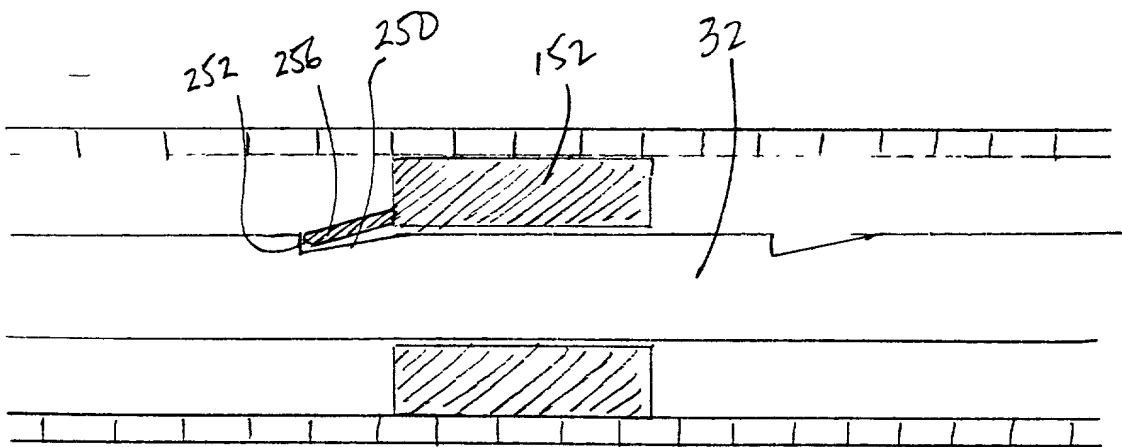


FIG. 2C

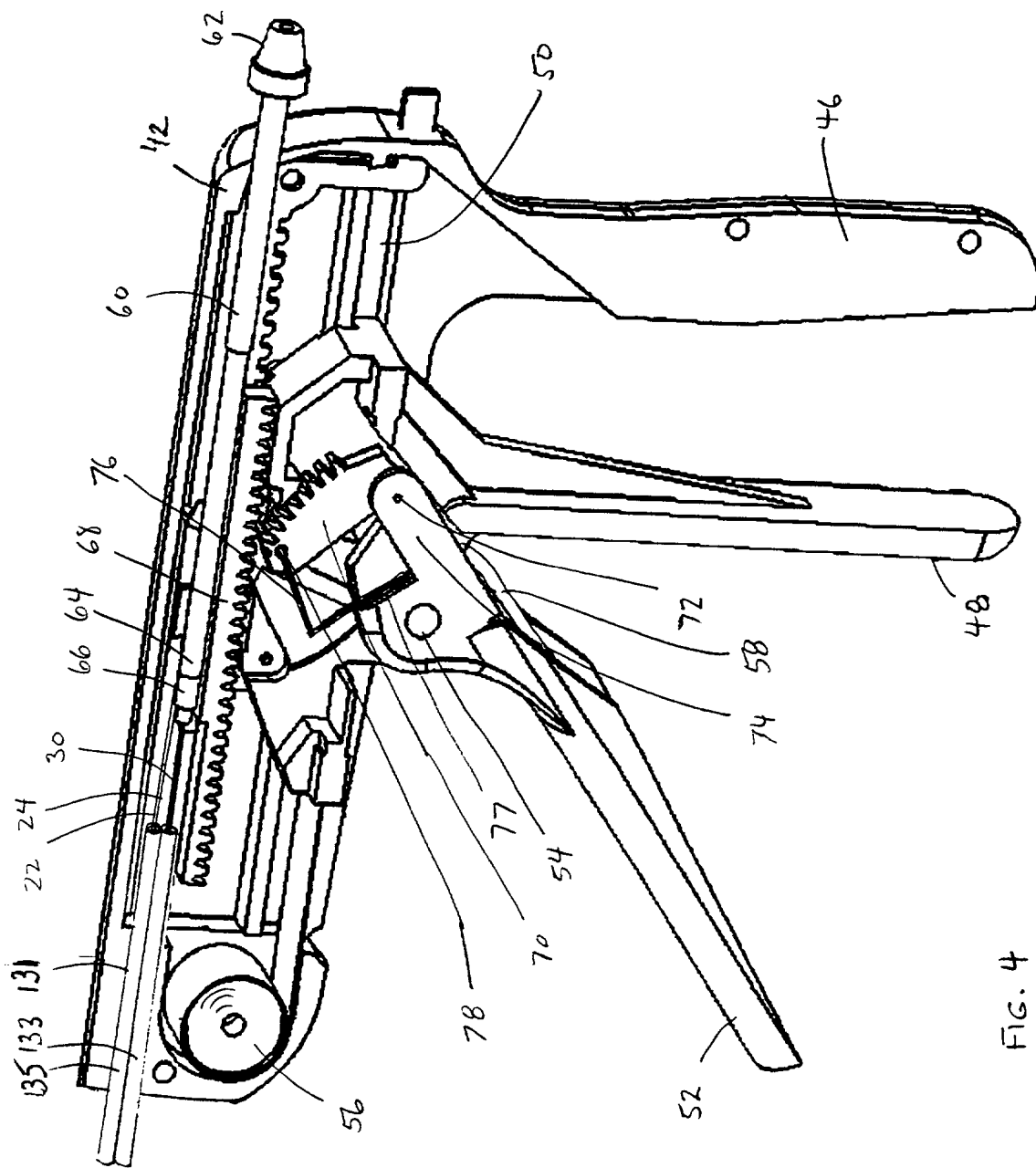


FIG. 4

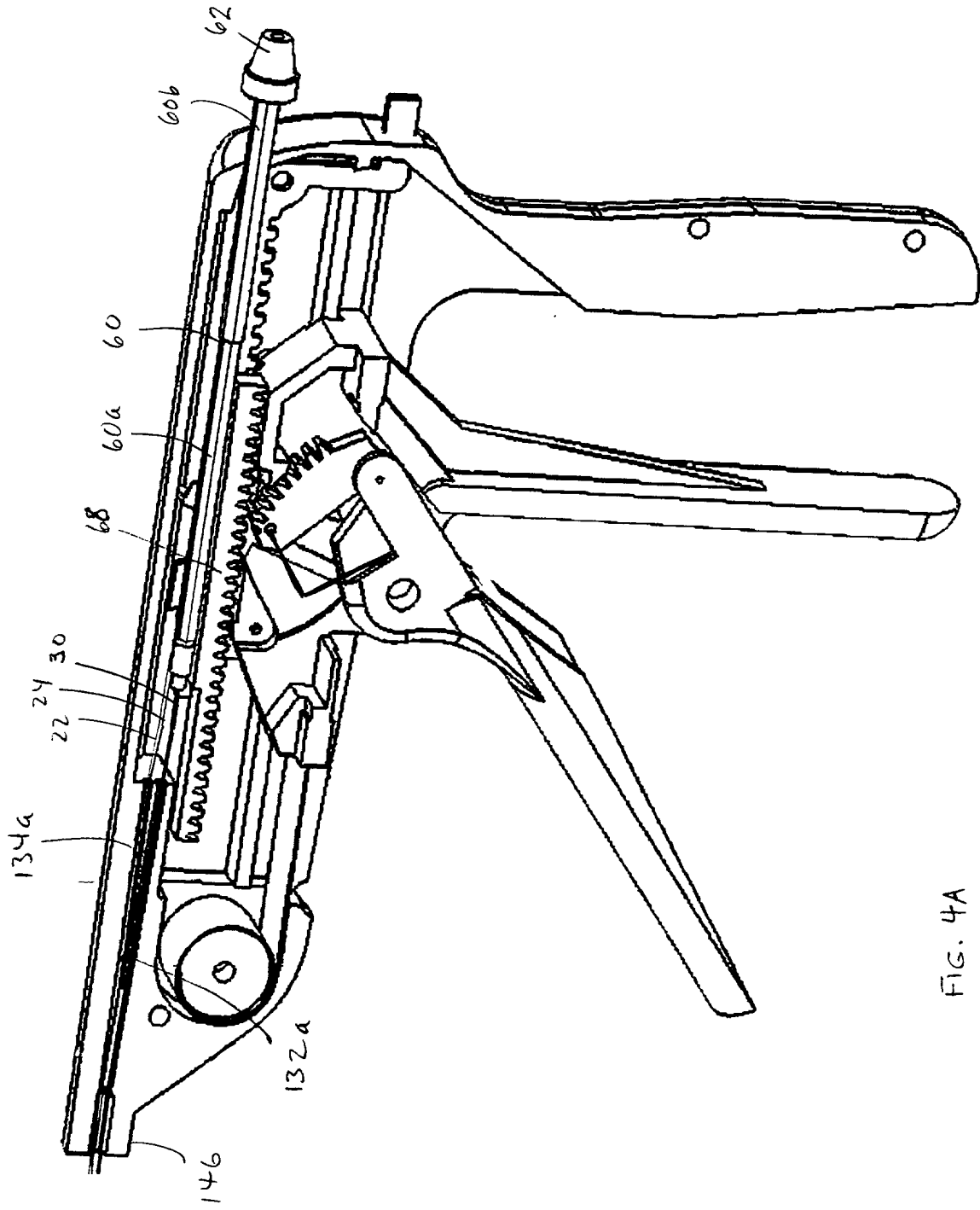


FIG. 4A

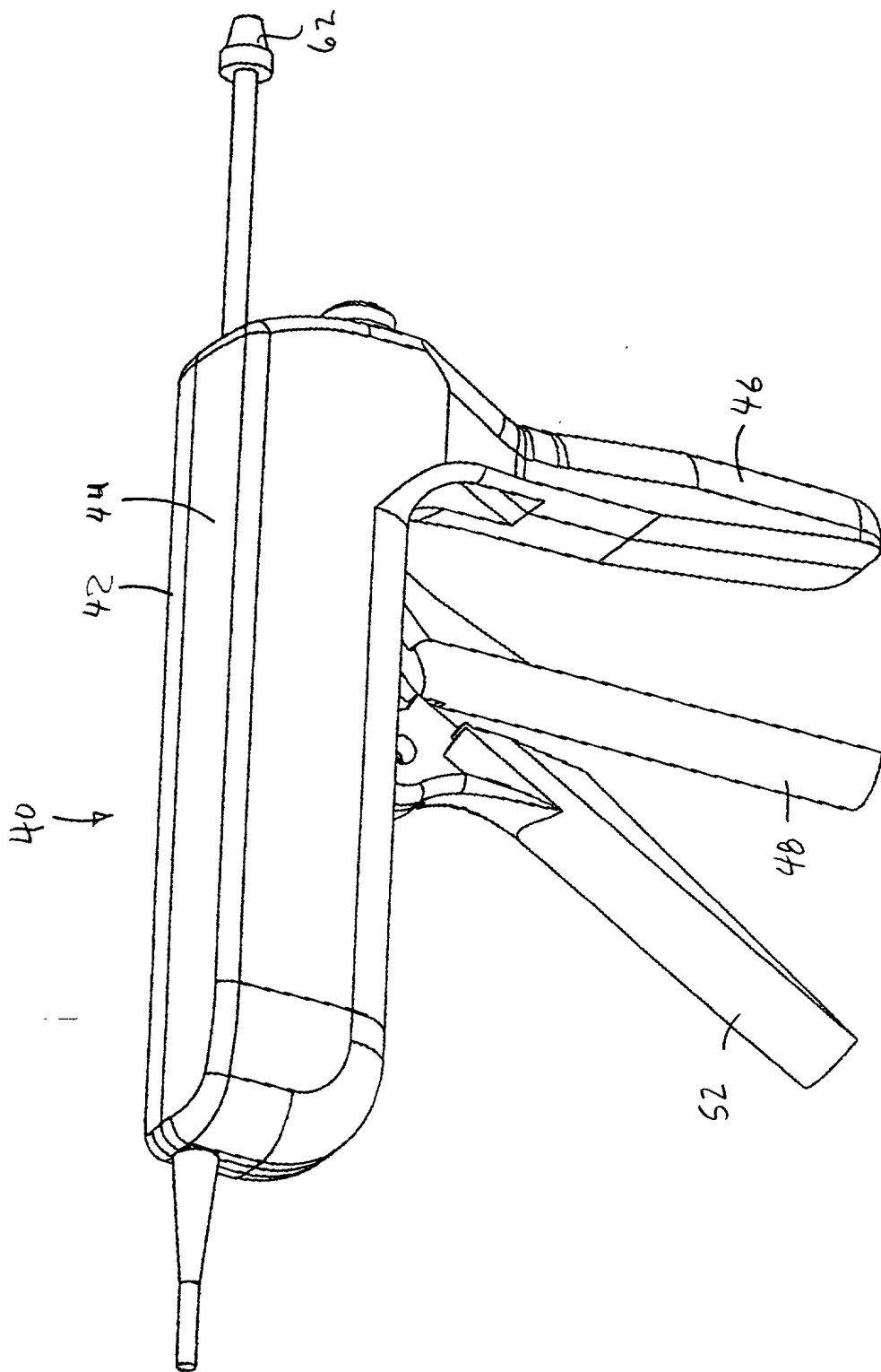


FIG. 5

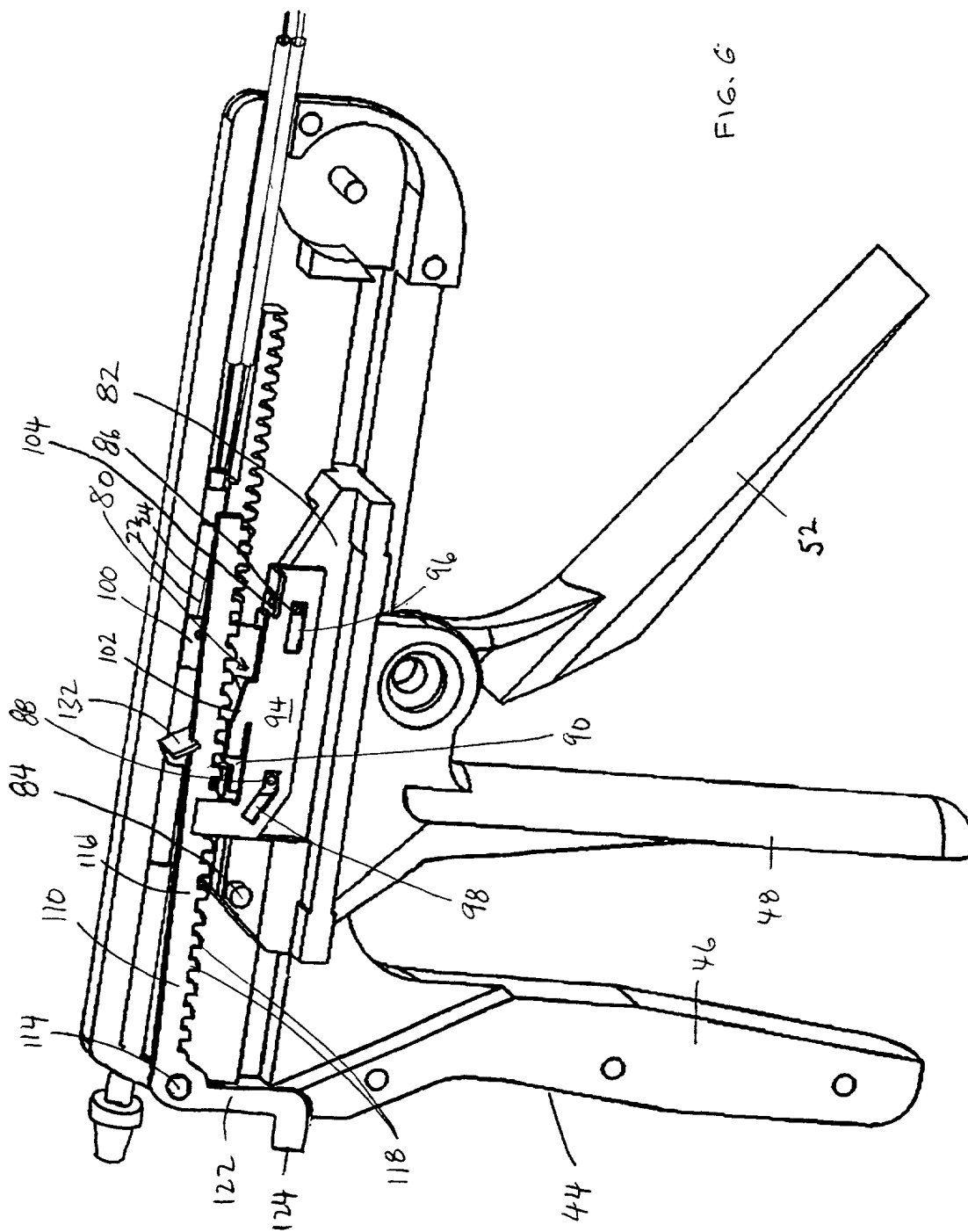


FIG. 6



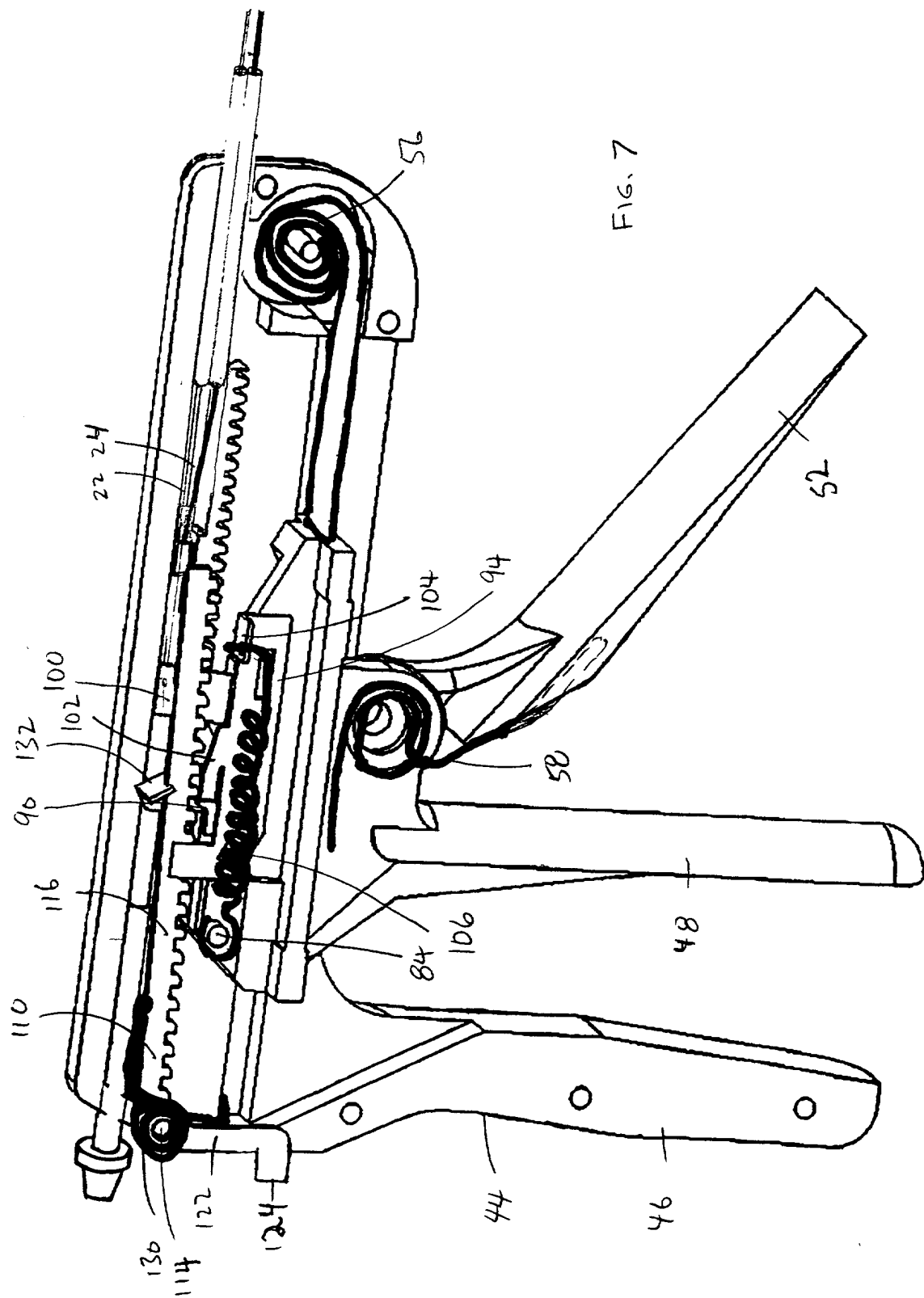


FIG. 7

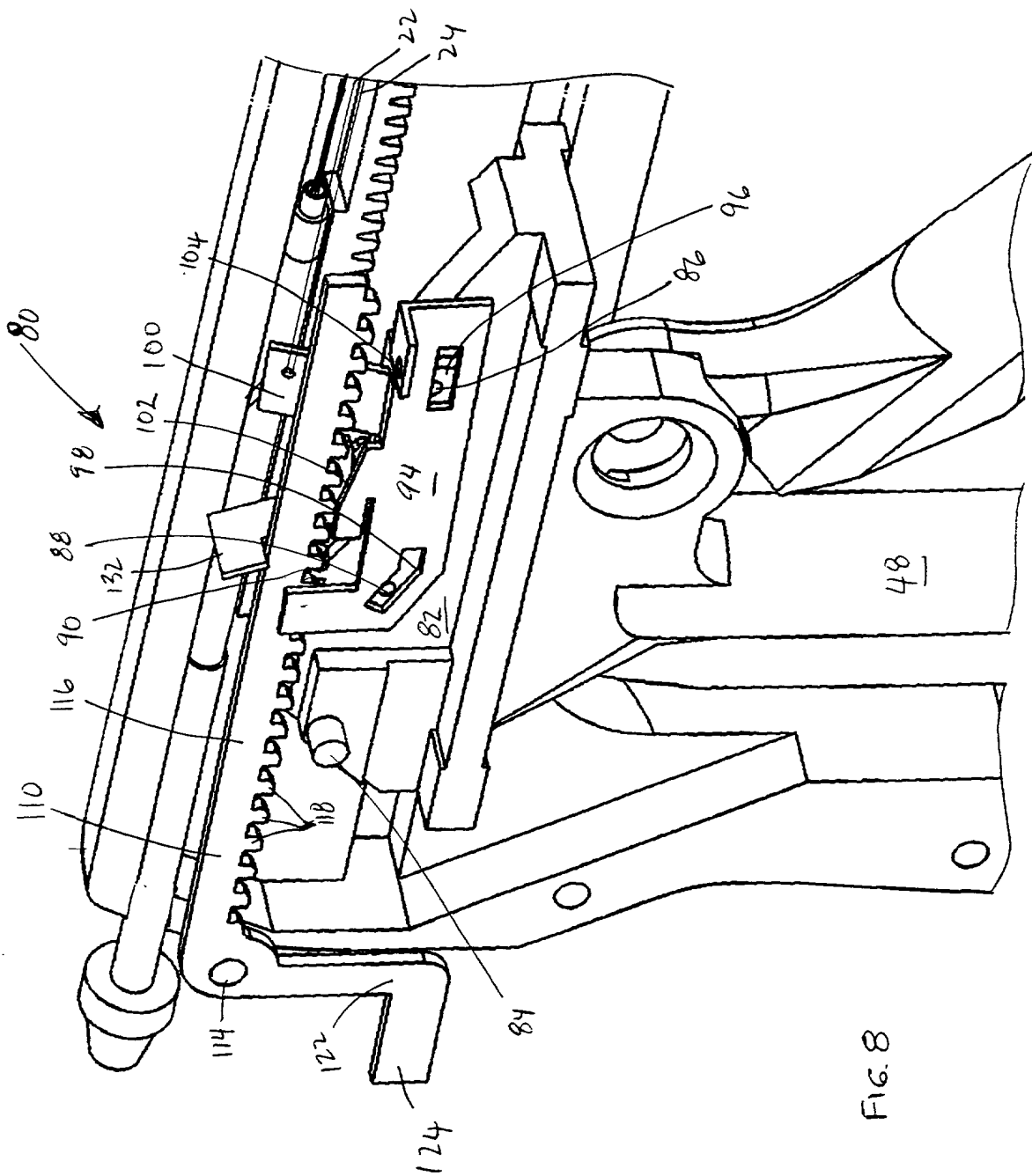


FIG. 8

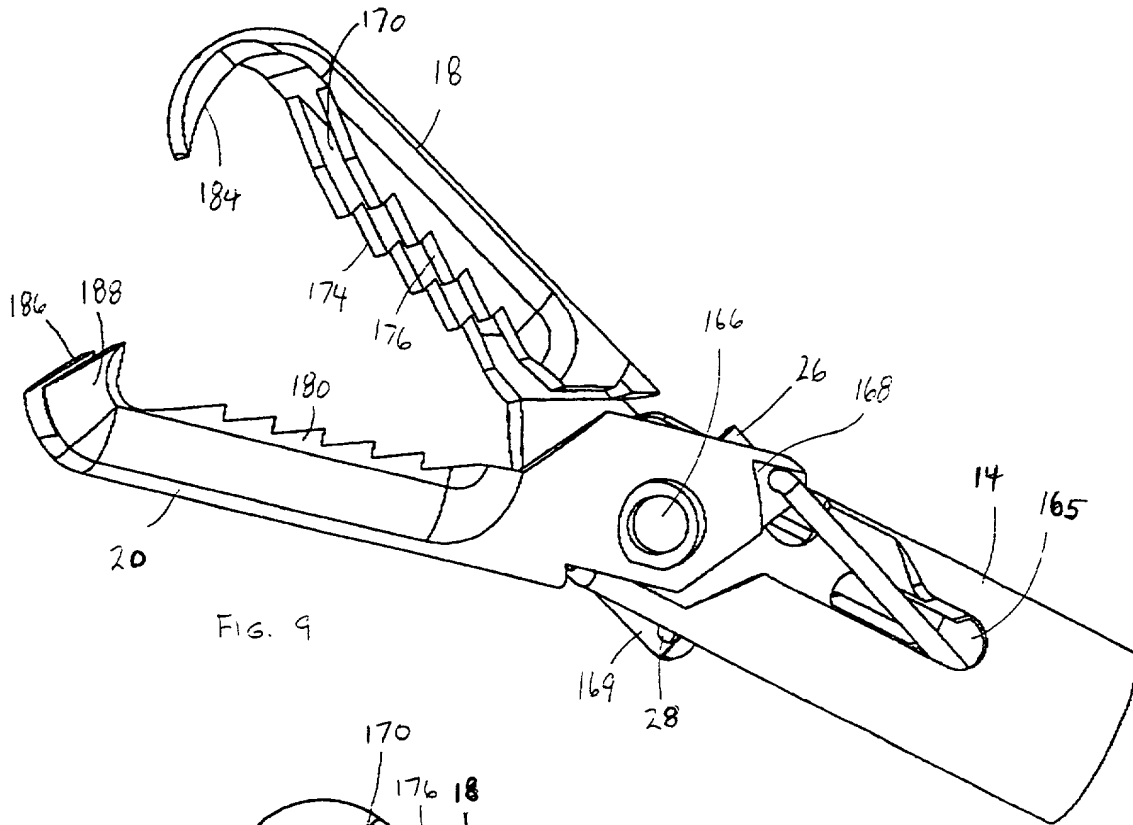


FIG. 9

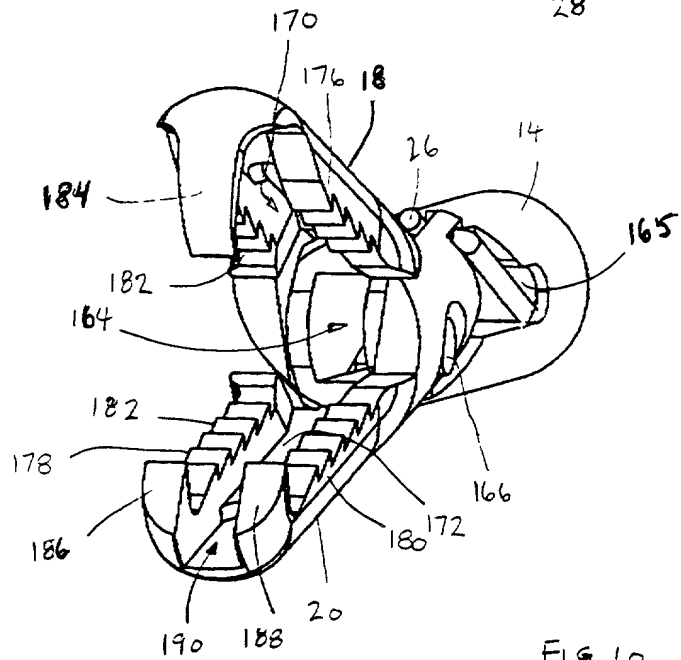


FIG 10

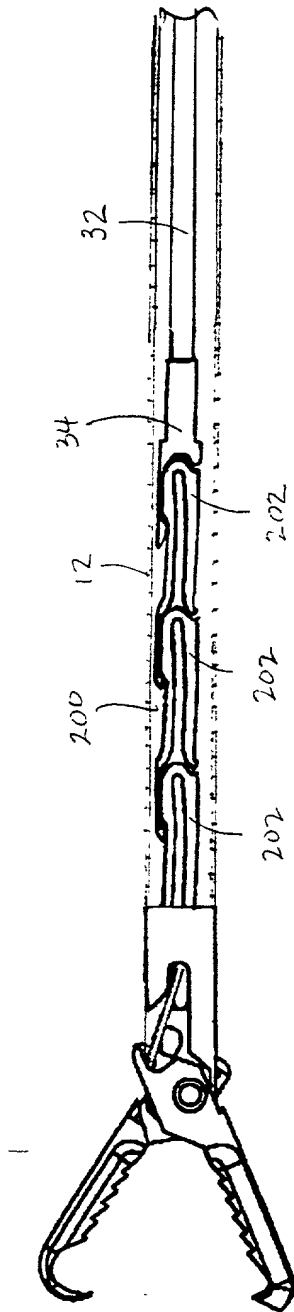


FIG. 11

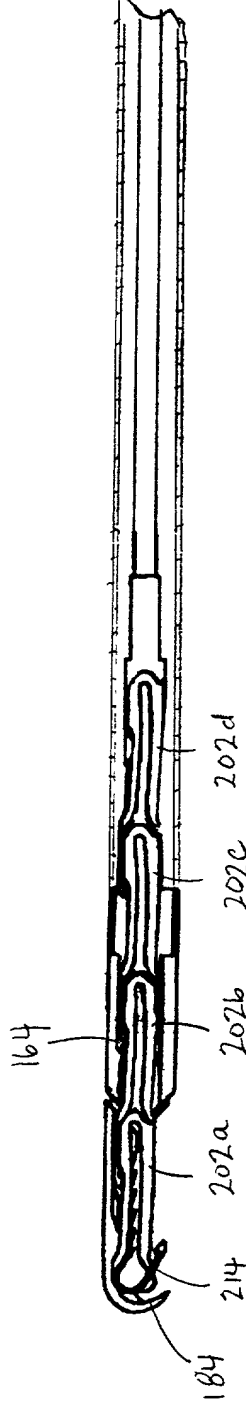


FIG. 17

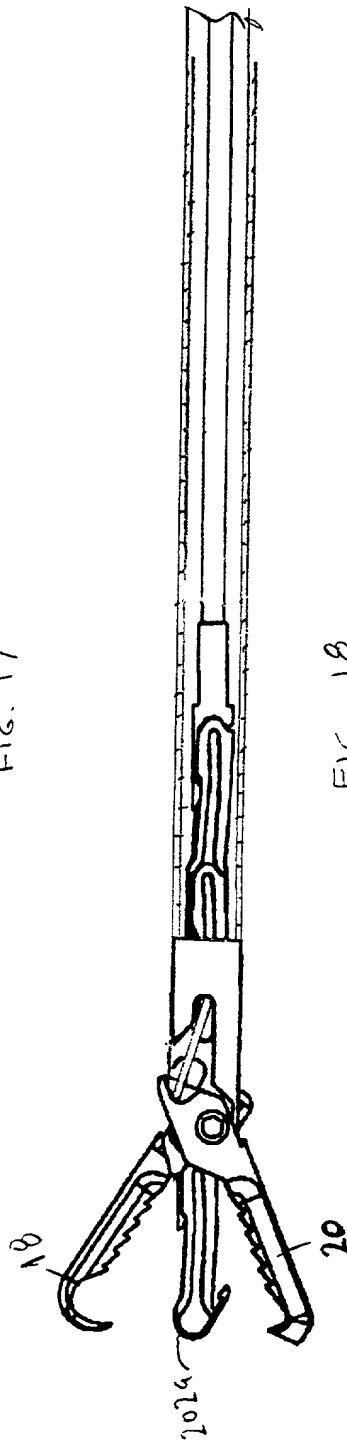


FIG. 18

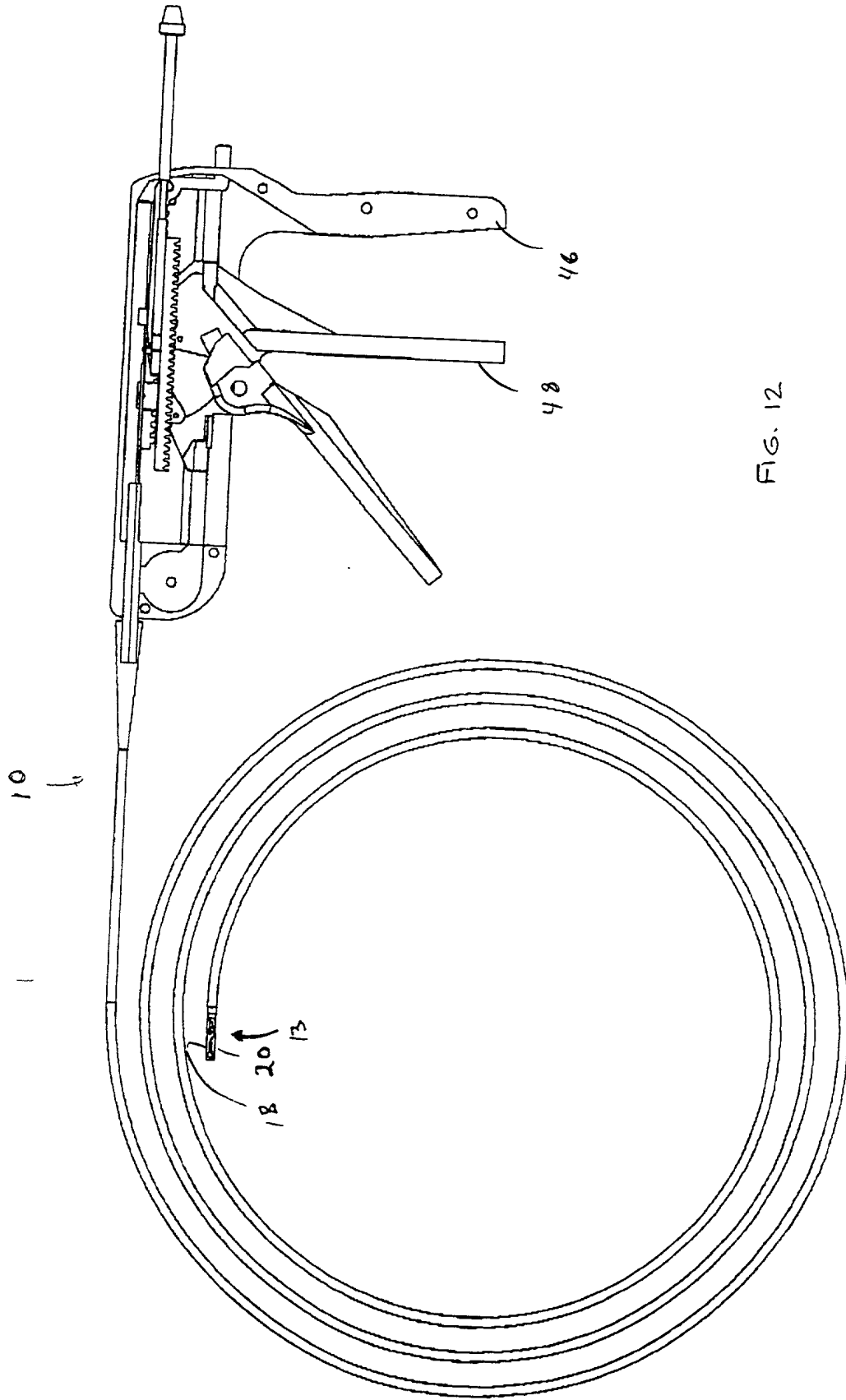


FIG. 12

FOOT 9060 FOOT

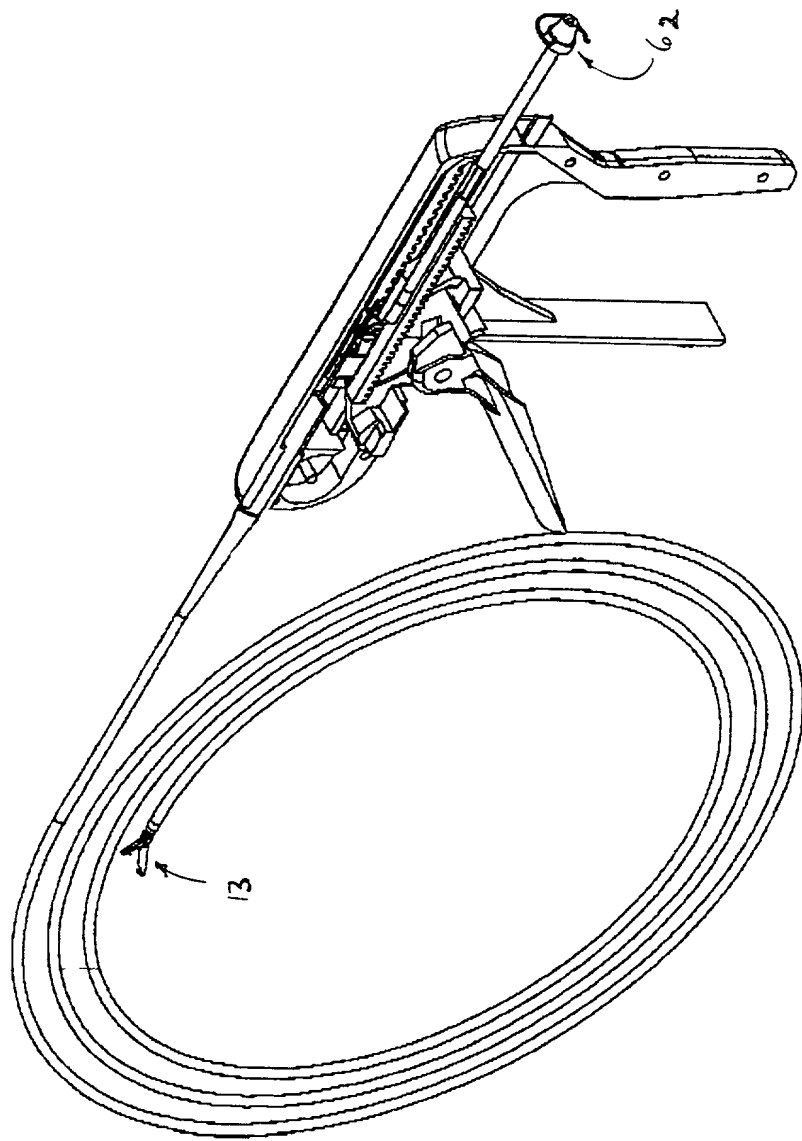


FIG. 13

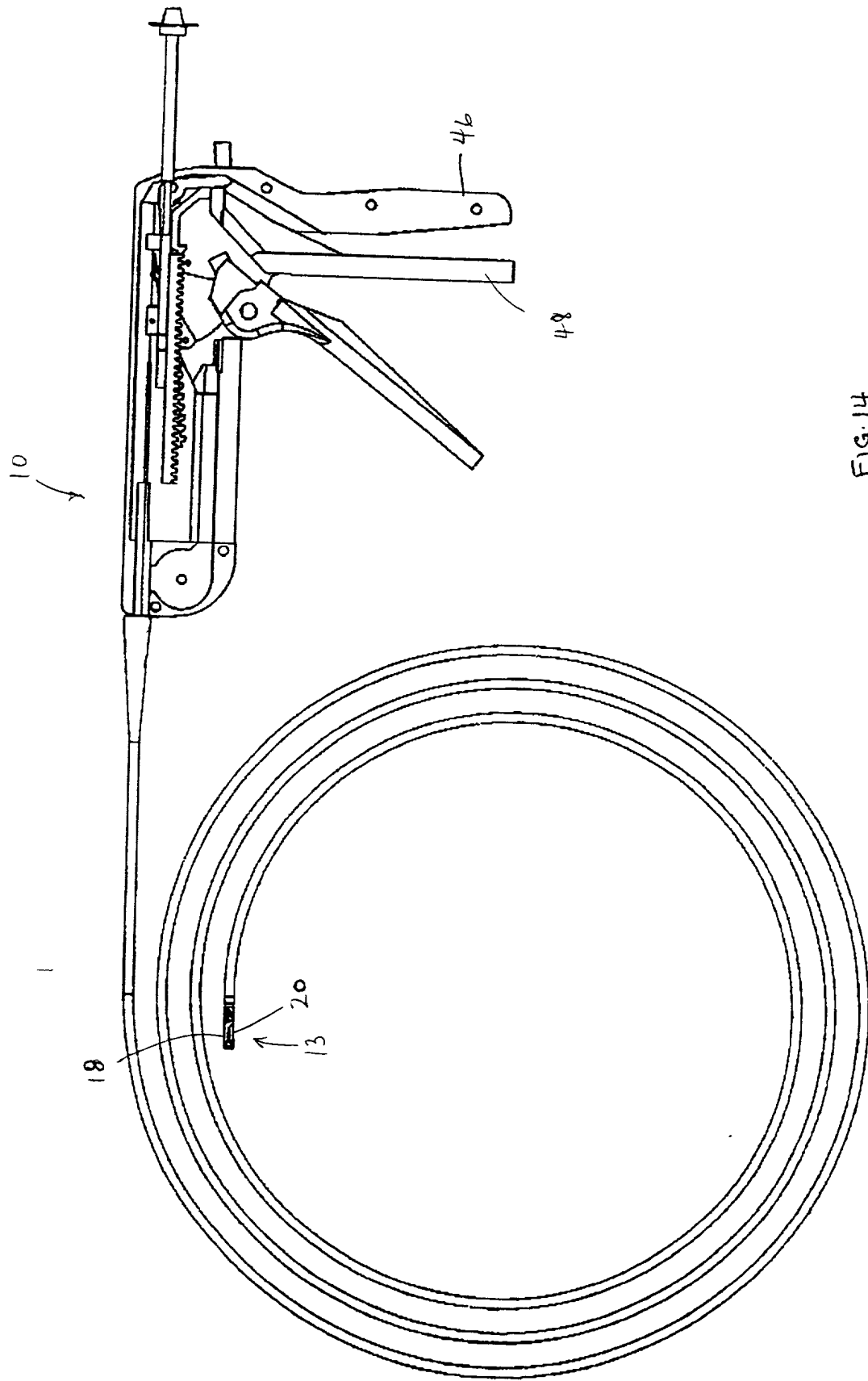


FIG. 14

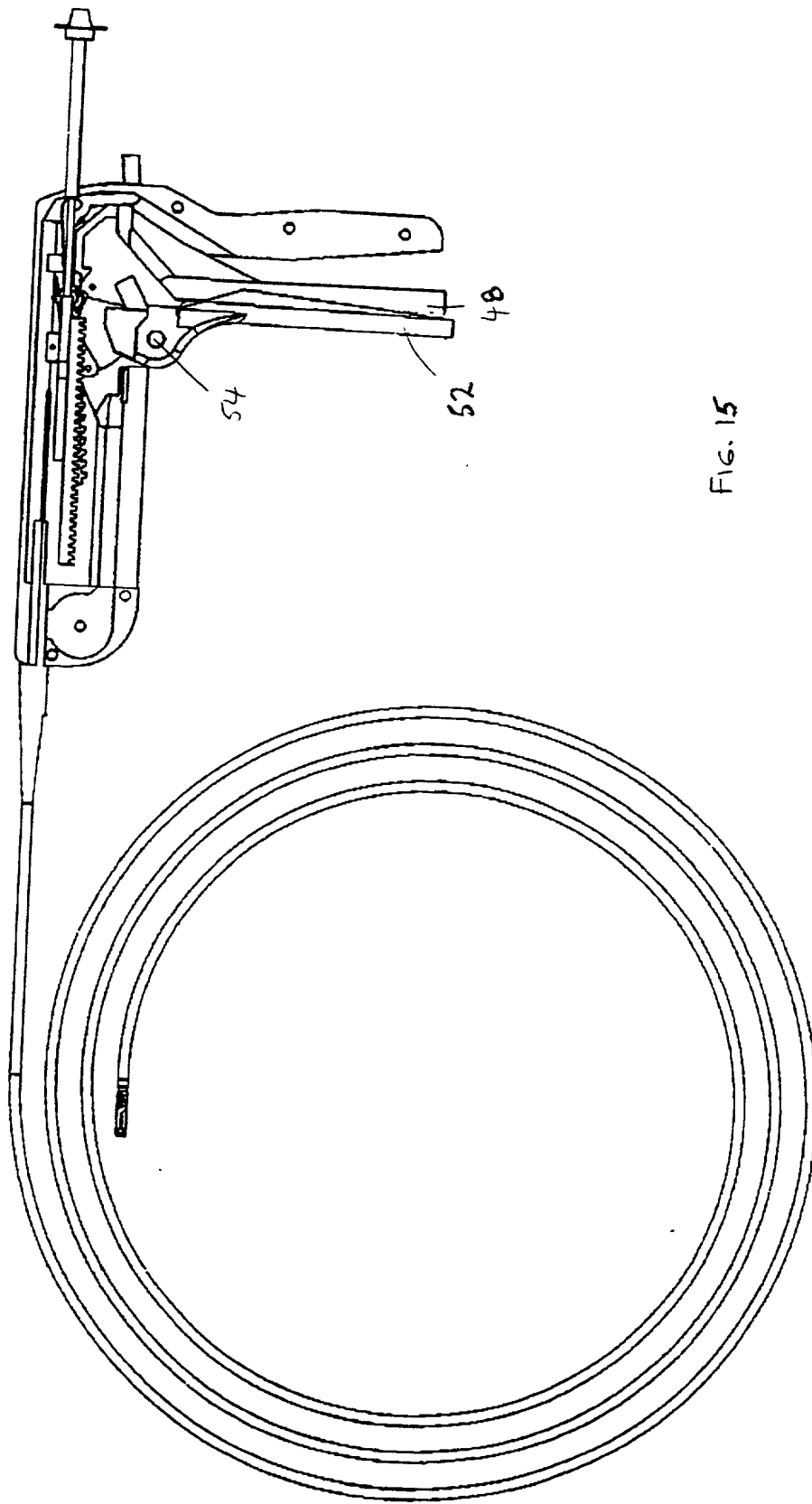


FIG. 15



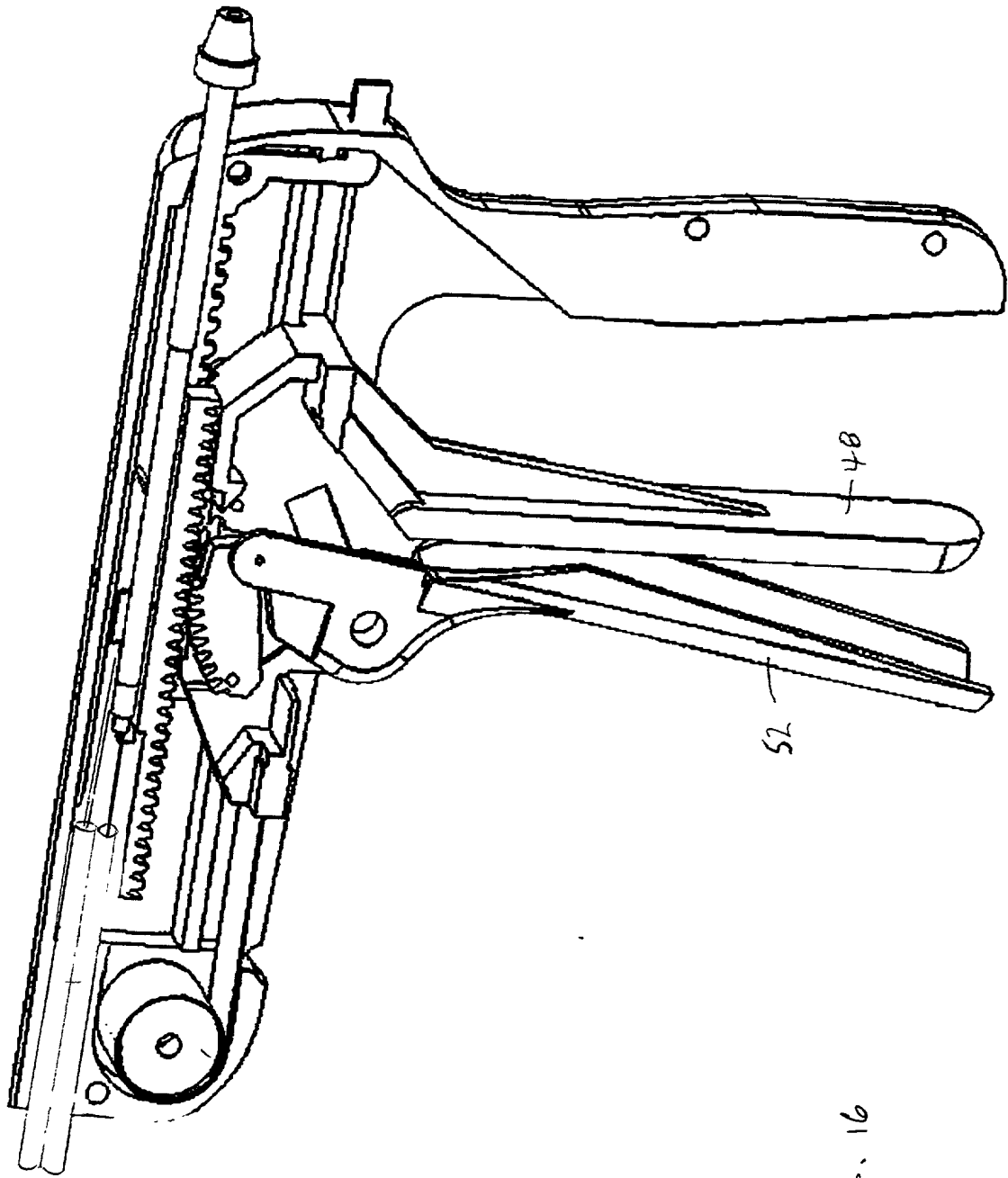


FIG. 16

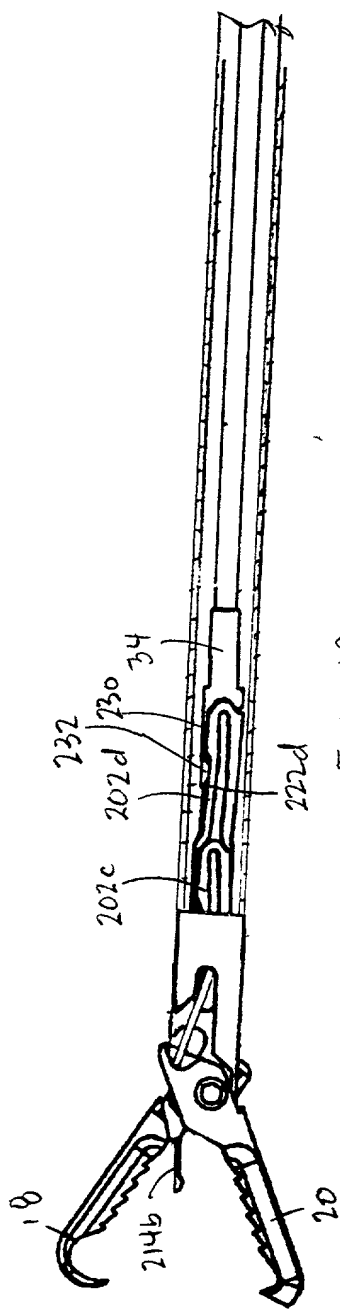


FIG. 19

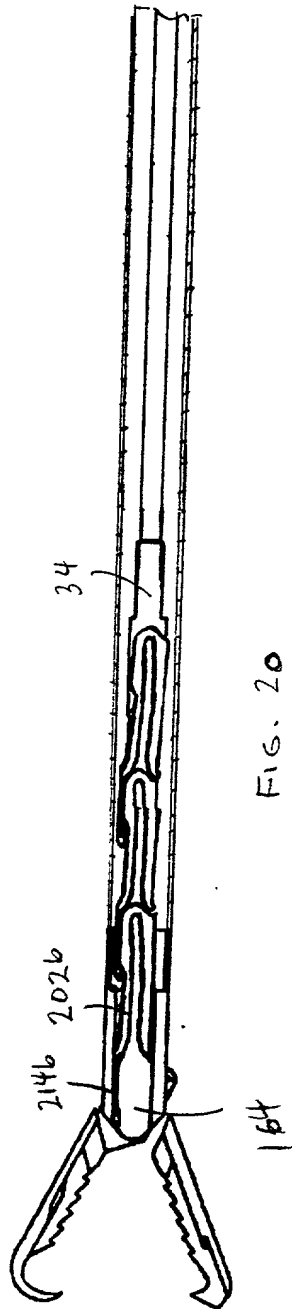


FIG. 20

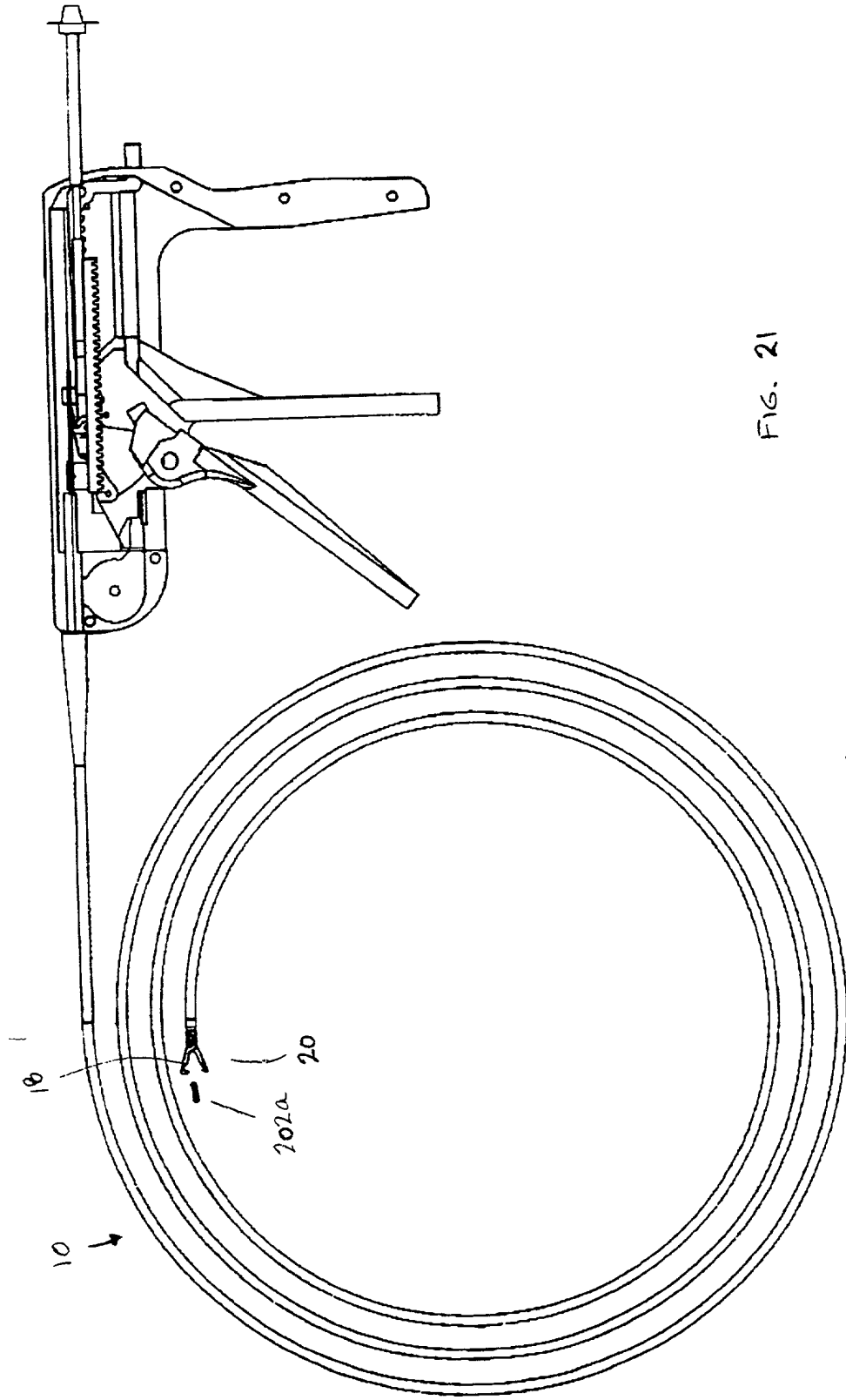


FIG. 21

|                          |          |        |         |          |          |        |         |          |         |          |          |
|--------------------------|----------|--------|---------|----------|----------|--------|---------|----------|---------|----------|----------|
| Coil O.D.                | 0.08     | 0.08   | 0.08    | 0.08     | 0.08     | 0.08   | 0.08    | 0.086    | 0.086   | 0.086    | 0.083    |
| Coil I.D.                | 0.06     | 0.06   | 0.06    | 0.06     | 0.06     | 0.06   | 0.06    | 0.053    | 0.053   | 0.054    | 0.054    |
| Clip Advancing Wire O.D. | 0.017    | 0.017  | 0.017   | 0.015    | 0.02     | 0.02   | 0.02    | 0.017    | 0.017   | 0.017    | 0.017    |
| End Effector Wire O.D.   | 0.011    | 0.011  | 0.011   | 0.011    | 0.011    | 0.011  | 0.011   | 0.009    | 0.009   | 0.009    | 0.009    |
| Barrier Sheath           | YES      | YES    | YES     | YES      | YES      | YES    | YES     | YES      | YES     | YES      | YES      |
|                          | RUN #1   | RUN #2 | RUN #3  | RUN #4   | RUN #5   | RUN #6 | RUN #7  | RUN #8   | RUN #9  | RUN #10  | RUN #11  |
| 1 lb                     | 0.46     | 0.24   | 0.32    | 0.54     | 0.59     | 0.56   | 0.45    | 0.87     | 0.4     | 0.57     | 0.77     |
| 2 lb                     | 1.19     | 0.75   | 0.9     | 1.07     | 1.07     | 1.07   | 0.69    | 1.62     | 1.12    | 1.02     | 1        |
| 3 lb                     | 1.67     | 1.24   | 1.44    | 1.51     | 1.9      | 1.7    | 1.02    | 2.07     | 1.61    | 1.39     | 1.77     |
| 4 lb                     | 2.19     | 1.81   | 1.98    | 2.62     | 2.3      | 2.6    | 1.51    | 2.61     | 2.01    | 2.09     | 2.76     |
| 5 lb                     | 2.74     | 2.35   | 2.59    | 2.05     | 3.07     | 2.98   | 2.26    | 3.5      | 2.44    | 3.19     | 3.15     |
| 6 lb                     | 3.27     | 2.82   | 2.61    | 2.11     | 3.68     | 3.72   | 2.56    | 3.87     | 2.78    | 3.5      | 3.61     |
| 7 lb                     | 3.32     | 3.12   | 3.37    |          | 3.93     | 3.8    | 3.34    | 4.56     | 3.54    | 3.92     | 4.48     |
| 8 lb                     | 3.82     | 3.42   |         |          | 4.03     | 4.08   | 3.54    | 4.61     | 4.28    | 4.42     | 5.17     |
| Weight                   | 11 lb    | 11 lb  | 11 lb   | 11 lb    | 11 lb    | 11 lb  | 11 lb   | 11 lb    | 11 lb   | 11 lb    | 11 lb    |
| Position                 | no loops | 1 loop | 2 loops | no loops | no loops | 1 loop | 2 loops | no loops | 2 loops | no loops | no loops |

FIG. 22

## EFFICIENCY PLOT

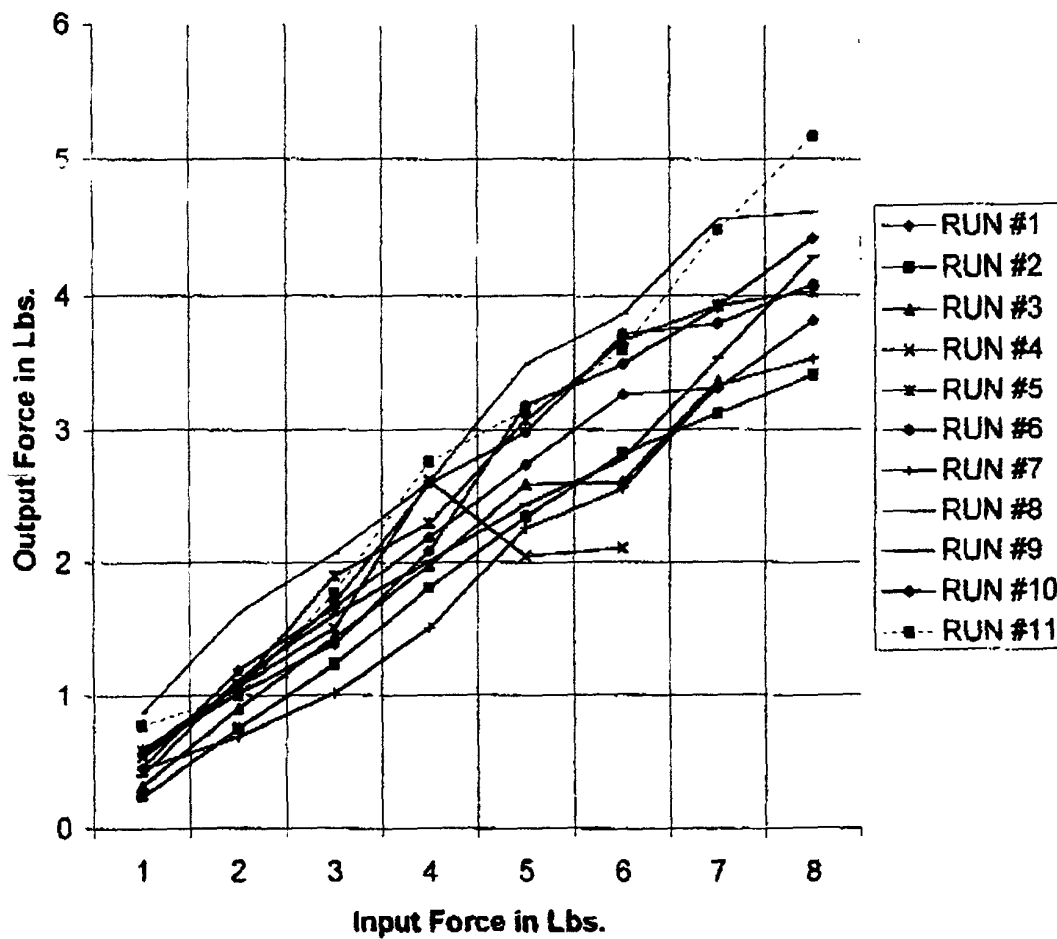


FIG. 23